

**10/510155**

**RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/510,155  
Source: PCT  
Date Processed by STIC: 09/02/2005

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PCT

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/510,155

DATE: 09/02/2005

TIME: 15:01:10

Input Set : A:\38509-0015US1.txt

Output Set: N:\CRF4\09012005\J510155.raw

3 <110> APPLICANT: Kimberly A. Kelly  
 4       David A. Jones  
 6 <120> TITLE OF INVENTION: COLON TUMOR SPECIFIC BINDING PEPTIDES  
 8 <130> FILE REFERENCE: 38509-0015US1  
 10 <140> CURRENT APPLICATION NUMBER: US 10/510,155  
 11 <141> CURRENT FILING DATE: 2004-10-05  
 13 <150> PRIOR APPLICATION NUMBER: PCT/US03/10630  
 14 <151> PRIOR FILING DATE: 2003-04-07  
 16 <150> PRIOR APPLICATION NUMBER: US 60/369,850  
 17 <151> PRIOR FILING DATE: 2002-04-05  
 19 <160> NUMBER OF SEQ ID NOS: 145  
 21 <170> SOFTWARE: PatentIn version 3.2  
 23 <210> SEQ ID NO: 1  
 24 <211> LENGTH: 9  
 25 <212> TYPE: PRT  
 26 <213> ORGANISM: Artificial Sequence  
 28 <220> FEATURE:  
 29 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide  
 31 <220> FEATURE:  
 32 <221> NAME/KEY: DISULFID  
 33 <222> LOCATION: (1)..(9)  
 34 <223> OTHER INFORMATION: cyclic peptide  
 36 <400> SEQUENCE: 1  
 37 Cys Pro Ile Glu Asp Arg Pro Met Cys  
 38 1                   5  
 41 <210> SEQ ID NO: 2  
 42 <211> LENGTH: 4  
 43 <212> TYPE: PRT  
 44 <213> ORGANISM: Artificial Sequence  
 46 <220> FEATURE:  
 47 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide  
 49 <400> SEQUENCE: 2  
 50 Arg Pro Met Cys  
 51 1  
 54 <210> SEQ ID NO: 3  
 55 <211> LENGTH: 4  
 56 <212> TYPE: PRT  
 57 <213> ORGANISM: Pseudomonas sp.  
 59 <400> SEQUENCE: 3  
 60 Lys Asp Glu Leu  
 61 1  
 64 <210> SEQ ID NO: 4  
 65 <211> LENGTH: 5

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66 <212> TYPE: PRT  
67 <213> ORGANISM: Pseudomonas sp.  
69 <400> SEQUENCE: 4  
70 Arg Glu Asp Leu Lys  
71 1 5  
74 <210> SEQ ID NO: 5  
75 <211> LENGTH: 11  
76 <212> TYPE: PRT  
77 <213> ORGANISM: Artificial Sequence  
79 <220> FEATURE:  
80 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide  
83 <400> SEQUENCE: 5  
84 Arg Pro Met Lys Leu Ala Lys Lys Leu Ala Lys  
85 1 5 10  
88 <210> SEQ ID NO: 6  
89 <211> LENGTH: 7  
90 <212> TYPE: PRT  
91 <213> ORGANISM: Artificial Sequence  
93 <220> FEATURE:  
94 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide  
96 <400> SEQUENCE: 6  
97 Ala Leu Leu Pro Asn Lys Thr  
98 1 5  
101 <210> SEQ ID NO: 7  
102 <211> LENGTH: 7  
103 <212> TYPE: PRT  
104 <213> ORGANISM: Artificial Sequence  
106 <220> FEATURE:  
107 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide  
109 <400> SEQUENCE: 7  
110 Ala Gln Pro Leu Lys Gln Asn  
111 1 5  
114 <210> SEQ ID NO: 8  
115 <211> LENGTH: 7  
116 <212> TYPE: PRT  
117 <213> ORGANISM: Artificial Sequence  
119 <220> FEATURE:  
120 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide  
122 <400> SEQUENCE: 8  
123 Ser Met Ser Ser His Arg Trp  
124 1 5  
127 <210> SEQ ID NO: 9  
128 <211> LENGTH: 7  
129 <212> TYPE: PRT  
130 <213> ORGANISM: Artificial Sequence  
132 <220> FEATURE:  
133 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide  
135 <400> SEQUENCE: 9  
136 Ala Pro Ser Gln Arg Ala Gln

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145 <220> FEATURE:  
146 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide  
148 <400> SEQUENCE: 10  
149 Ala Tyr Pro Tyr Trp Leu Tyr  
150 1 5  
153 <210> SEQ ID NO: 11  
154 <211> LENGTH: 7  
155 <212> TYPE: PRT  
156 <213> ORGANISM: Artificial Sequence  
158 <220> FEATURE:  
159 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide  
161 <400> SEQUENCE: 11  
162 Ser Asn Ser Gln Asp Gln Asn  
163 1 5  
166 <210> SEQ ID NO: 12  
167 <211> LENGTH: 7  
168 <212> TYPE: PRT  
169 <213> ORGANISM: Artificial Sequence  
171 <220> FEATURE:  
172 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide  
174 <400> SEQUENCE: 12  
175 Glu Leu Asn Ala Ala His Thr  
176 1 5  
179 <210> SEQ ID NO: 13  
180 <211> LENGTH: 7  
181 <212> TYPE: PRT  
182 <213> ORGANISM: Artificial Sequence  
184 <220> FEATURE:  
185 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide  
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188 Asp His Pro Val Pro Trp Arg  
189 1 5  
192 <210> SEQ ID NO: 14  
193 <211> LENGTH: 7  
194 <212> TYPE: PRT  
195 <213> ORGANISM: Artificial Sequence  
197 <220> FEATURE:  
198 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide  
200 <400> SEQUENCE: 14  
201 Ser Pro Gln Ser Gln Pro Met  
202 1 5  
205 <210> SEQ ID NO: 15  
206 <211> LENGTH: 7  
207 <212> TYPE: PRT

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Input Set : A:\38509-0015US1.txt

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208 <213> ORGANISM: Artificial Sequence  
210 <220> FEATURE:  
211 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide  
213 <400> SEQUENCE: 15  
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215 1 5  
218 <210> SEQ ID NO: 16  
219 <211> LENGTH: 7  
220 <212> TYPE: PRT  
221 <213> ORGANISM: Artificial Sequence  
223 <220> FEATURE:  
224 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide  
226 <400> SEQUENCE: 16  
227 Asp Leu Arg Glu His Thr Leu  
228 1 5  
231 <210> SEQ ID NO: 17  
232 <211> LENGTH: 7  
233 <212> TYPE: PRT  
234 <213> ORGANISM: Artificial Sequence  
236 <220> FEATURE:  
237 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide  
239 <400> SEQUENCE: 17  
240 Ser Arg Leu Asp Ser Pro Phe  
241 1 5  
244 <210> SEQ ID NO: 18  
245 <211> LENGTH: 7  
246 <212> TYPE: PRT  
247 <213> ORGANISM: Artificial Sequence  
249 <220> FEATURE:  
250 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide  
252 <400> SEQUENCE: 18  
253 Glu Thr Leu Ser Pro Arg Asp  
254 1 5  
257 <210> SEQ ID NO: 19  
258 <211> LENGTH: 7  
259 <212> TYPE: PRT  
260 <213> ORGANISM: Artificial Sequence  
262 <220> FEATURE:  
263 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide  
265 <400> SEQUENCE: 19  
266 Asp Arg Ile Gly Ala Arg Gln  
267 1 5  
270 <210> SEQ ID NO: 20  
271 <211> LENGTH: 7  
272 <212> TYPE: PRT  
273 <213> ORGANISM: Artificial Sequence  
275 <220> FEATURE:  
276 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide  
278 <400> SEQUENCE: 20

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Input Set : A:\38509-0015US1.txt  
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279 Ser Tyr Asp Tyr Ala Lys His  
280 1 5  
283 <210> SEQ ID NO: 21  
284 <211> LENGTH: 7  
285 <212> TYPE: PRT  
286 <213> ORGANISM: Artificial Sequence  
288 <220> FEATURE:  
289 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide  
291 <400> SEQUENCE: 21  
292 Phe Glu Ser Gln Ser Arg Leu  
293 1 5  
296 <210> SEQ ID NO: 22  
297 <211> LENGTH: 7  
298 <212> TYPE: PRT  
299 <213> ORGANISM: Artificial Sequence  
301 <220> FEATURE:  
302 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide  
304 <400> SEQUENCE: 22  
305 Phe Glu Ser Gln Ser Arg Leu  
306 1 5  
309 <210> SEQ ID NO: 23  
310 <211> LENGTH: 7  
311 <212> TYPE: PRT  
312 <213> ORGANISM: Artificial Sequence  
314 <220> FEATURE:  
315 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide  
317 <400> SEQUENCE: 23  
318 Thr His Leu Met Pro Leu Thr  
319 1 5  
322 <210> SEQ ID NO: 24  
323 <211> LENGTH: 7  
324 <212> TYPE: PRT  
325 <213> ORGANISM: Artificial Sequence  
327 <220> FEATURE:  
328 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide  
330 <400> SEQUENCE: 24  
331 Phe Met Lys Thr Leu Ser Asn  
332 1 5  
335 <210> SEQ ID NO: 25  
336 <211> LENGTH: 7  
337 <212> TYPE: PRT  
338 <213> ORGANISM: Artificial Sequence  
340 <220> FEATURE:  
341 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide  
343 <400> SEQUENCE: 25  
344 Gly Thr Ala Thr Leu His Trp  
345 1 5  
348 <210> SEQ ID NO: 26  
349 <211> LENGTH: 7

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/510,155

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Input Set : A:\38509-0015US1.txt  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:139; Xaa Pos. 1,2,3,4,5,6,8,9,10,11,16,17,18,19,20,21

**VERIFICATION SUMMARY**  
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Input Set : A:\38509-0015US1.txt  
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L:1841 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:139 after pos.:0  
M:341 Repeated in SeqNo=139